



# CITY OF SAN ANTONIO

## PLANNING AND DEVELOPMENT SERVICES DEPARTMENT

TO: All Planning and Development Services Department (PDSD) Customers

SUBJECT: **INFORMATION BULLETIN 177**  
Tankless Water Heater Sizing Guide

DATE: April 15, 2010

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This information bulletin is intended as a recommended sizing guideline for the installation of tankless water heaters for residential use. These sizing criteria are based on the actual water heater performance test conducted by the PDSD Plumbing Section and the manufacturer on actual installations on-site. In addition to these sizing criteria, please make sure that you always confirm sizing with the water heater manufacture specifications.

The following sizing guide for tank less water heaters is divided into two categories: gas fired and electric. The main intent of this guide is for residential dwellings, but it can be adapted for commercial applications as well. Commercial buildings will generally be designed under the direction of an engineer and designed accordingly.

### **GAS FIRED**

110,000 BTU – 125,000 BTU =	up to a 1 ½ bath dwelling
135,000 BTU – 165,000 BTU =	up to a 2 ½ bath dwelling
180,000 BTU – 199,000 BTU =	up to a 4 ½ bath dwelling

### **ELECTRIC**

22 - 23 KW =	up to a 1 ½ bath dwelling
24 – 25 KW =	up to a 2 ½ bath dwelling
27 – 28 KW =	up to a 4 bath dwelling

#### NOTES:

1. For larger dwellings, multiple units may be required.
2. Consider water heater location for optimum efficiency
  - Closer to plumbing fixtures
  - Centrally located where possible, etc.

Should you have any questions or concerns regarding this information bulletin, please call David Rohde, Plumbing Inspections Supervisor, at (210) 207-8279.